

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

Amendments to the Claims:

Please amend claim 124 as follows. The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-123 (Cancelled).

Claim 124 (Currently Amended). A book copying system for copying a book based on electronic image data obtained through a network, comprising:

5 a data service system connected to the network to supply electronic image data of a book through the network, the data service system comprising:

a data storage section in which image data of a plurality of different books are stored, and

10 a data managing section to manage the stored image data; and

an image forming apparatus remote from the data service system, being connected to the data service system through the

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

network and having a copy mode and a book publishing mode, the
image forming apparatus comprising:

15 an input section to select one of the copy mode and the
book publishing mode,

 an image reading section to read an image of a
document,

 an image forming section apparatus internal to the
20 image forming apparatus, and

 a control section,

 wherein ~~when the input section selects~~ in the copy
mode, the control section controls the image reading section to
read an image of a document so as to generate image data of the
25 document and the image forming section makes a copy of the
document based on the generated image data, and

 when ~~in the input section selects~~ the book publishing mode,
the control section controls the input section so as to input a
print order to print a copy of an ordered book, the control
30 section communicates with the data service system so as to obtain
image data of the ordered book from the data storage section
through the network and the image forming section prints a copy
of the ordered book based on the obtained image data through the
network.

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

Claim 125 (Cancelled).

Claim 126 (Previously Presented). The book copying system of claim 124 further comprising a calculating section, wherein the image forming apparatus reports a print result of the copy to the calculating section and the calculating section reduces the
5 copy charge in accordance with the printing result of the copy.

Claim 127 (Previously Presented). The book copying system of claim 126, wherein the image forming apparatus comprises a copy result detecting section which reports the printing result.

Claim 128 (Previously Presented). The book copying system of claim 126, wherein the printing result includes a notice to indicate successful printing.

Claim 129 (Cancelled).

Claim 130 (Previously Presented). The book copying system of claim 126, wherein the calculating section is provided in the image forming apparatus, and the data service system transmits a data service charge through the network to the image forming

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

- 5 apparatus so that the calculating section calculates the copy charge.

Claim 131 (Previously Presented). The book copying system of claim 126, wherein the calculating section is provided in the data service system, and the image forming apparatus transmits a print service charge through the network to the data service
5 system so that the calculating section calculates the copy charge.

Claim 132 (Previously Presented). The book copying system of claim 131, wherein after the image forming apparatus prints the copy, the image forming apparatus transmits the print service charge through the network to the data service system so that the
5 calculating section calculates the copy charge.

Claim 133 (Previously Presented). The book copying system of claim 124, wherein a data service system sets a data service charge based on at least one of a royalty of a copyright on the book, a data conversion fee to convert an original book into
5 electronic image data and a service charge to transmit the image data.

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

Claim 134 (Previously Presented). The book copying system of claim 133, wherein when the copyright on the ordered book is terminated, the data service system excludes the royalty of the copyright from the data service charge.

Claim 135 (Previously Presented). The book copying system of claim 124, wherein the image forming apparatus sets a print service charge based on at least one of a rental fee for materials and a rental fee for a printer which is used for
5 printing the image data.

Claim 136 (Previously Presented). The book copying system of claim 135, wherein before the image forming apparatus prints the image data, the image forming apparatus estimates a copy service charge based on at least one of the rental fee for the
5 materials and the rental fee for the printer which are expected to be used for printing the image data.

Claim 137 (Previously Presented). The book copying system of claim 135, wherein after the image forming apparatus prints the image data, the image forming apparatus sets a copy service charge based on at least one of a rental fee for the materials

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

and a rental fee for the image forming section which were used for printing the image data.

Claim 138 (Cancelled).

Claim 139 (Previously Presented). The book copying system of claim 135, wherein the image forming section comprises a plurality of printers and sets the print service charge for each of the plurality of printers.

Claim 140 (Previously Presented). The book copying system of claim 139, wherein at least one of a data service charge and the print service charge is encrypted.

Claim 141 (Previously Presented). The book copying system of claim 140, wherein at least one of the data service charge and the print service charge is provided with a digital signature encrypted with a cryptography key.

Claim 142 (Previously Presented). The book copying system of claim 124, wherein at least one of the data service system and the image forming apparatus comprises a data processing section to compile the image data in accordance with a print

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

5 specification of the user, the image forming apparatus controls a
printing condition to print the compiled image data with an image
forming section in accordance with the print specification,
wherein the image forming apparatus sets an estimated copy
charge in accordance with the print specification and indicates
10 the estimated copy charge for the user, and
wherein when the user agrees to the estimated copy charge,
the image forming apparatus sends an order signal to the data
service system.

Claim 143 (Cancelled).

Claim 144 (Previously Presented). The book copying system
of claim 142, wherein the data service system transmits an
estimated data service charge for the image data of the ordered
book to the image forming apparatus and the image forming
5 apparatus sets the estimated copy charge based on the estimated
data service charge.

Claim 145 (Previously Presented). The book copying system
of claim 144, wherein the data service system transmits the
estimated data service charge together with a period of validity

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

and when the period of validity has expired, the data service
5 system makes the estimated data service charge invalid.

Claim 146 (Cancelled).

Claim 147 (Previously Presented). The book copying system
of claim 142, wherein the data managing section of the data
service system transmits job ID information to the image forming
apparatus and the data storage section.

Claim 148 (Previously Presented). The book copying system
of claim 147, wherein when the user agrees to an estimated copy
charge and sends an order signal, the data service system
transmits job ID information to the image forming apparatus.

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Claim 149 (Previously Presented). The book copying system
of claim 147, wherein the data storage section specifies image
data and the image forming apparatus to be sent the image data on
the basis of the job ID information.

Claim 150 (Previously Presented). The book copying system
of claim 149, wherein the data storage section collates the job
ID information sent to the image forming apparatus with the job

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

ID information sent from the data managing section, specifies the
5 image forming apparatus having the same job ID information with
the job ID information sent from the data managing section, and
sends the image data to the image forming apparatus having the
same job ID information.

Claim 151 (Previously Presented). The book copying system
of claim 149, wherein the data storage section forwards the job
ID information sent to the image forming apparatus to the data
managing section and the data managing section collates the job
5 ID information with the job ID information forwarded from the
data storage section and specifies the image forming apparatus to
which the image data will be sent.

Claim 152 (Previously Presented). The book copying system
of claim 151, wherein the data managing section transmits a data
storing location to the image forming apparatus in response to
the order signal.

Claim 153 (Previously Presented). The book copying system
of claim 152, wherein the image forming apparatus accesses the
data storage section on the basis of the obtained data storing

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

location and sends the print specification to the data storage
5 section.

Claim 154 (Previously Presented). The book copying system of claim 153, wherein the data storage section includes a data processing section which compiles the image data on the basis of the print specification.

Claim 155 (Previously Presented). The book copying system of claim 153, wherein the print specification includes a print mode and the data processing section compiles a page arrangement in accordance with the print mode.

Claim 156 (Previously Presented). The book copying system of claim 155, wherein the print mode includes a page-unit print and a book-unit print.

Claim 157 (Previously Presented). The book copying system of claim 153, wherein the data storage section encrypts the image data and the image forming apparatus decrypts the encrypted data and conducts the printing on the basis of the decrypted data.

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

Claim 158 (Previously Presented). The book copying system of claim 157, wherein the image forming apparatus conducts a trial printing before the printing.

Claim 159 (Previously Presented). The book copying system of claim 153, wherein the control section of the image forming apparatus requests the image forming section to conduct the printing after obtaining the image data from the data storing
5 location.

Claim 160 (Previously Presented). The book copying system of claim 159, wherein the image forming apparatus reports a print result of the copy and the book copying system adjusts a copy charge in accordance with the printing result of the copy.

Claim 161 (Previously Presented). The book copying system of claim 160, wherein the book copying system conducts a payment charging processing on the basis of the printing result.

Claim 162 (Previously Presented). The book copying system of claim 160, wherein at least one of the copy charge and the printing result is provided with a digital signature by a public key cryptograph method.

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

Claim 163 (Previously Presented). The book copying system of claim 142, wherein when the image forming apparatus requests a log-in for the data service system, the data service system certifies the request of log-in of the image forming apparatus.

Claim 164 (Previously Presented). The book copying system of claim 163, wherein the image forming apparatus is provided with a cryptograph key for each client and when the image forming apparatus accesses the data service system, the image forming
5 apparatus makes a digital signature encrypted by the cryptograph key.

Claim 165 (Previously Presented). The book copying system of claim 163, wherein when the image forming apparatus accesses the data service system, the image forming apparatus makes a digital signature by a public key cryptograph method.

Claim 166 (Previously Presented). The book copying system of claim 142, wherein the calculating section is provided in the image forming apparatus, and the data service system transmits the data service charge through the network to the image forming

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

5 apparatus so that the calculating section calculates the copy charge.

Claim 167 (Previously Presented). The book copying system of claim 142, wherein the calculating section is provided in the data service system, the image forming apparatus transmits the print service charge through the network to the data service
5 system so that the calculating section calculates the copy charge.

Claim 168 (Previously Presented). The book copying system of claim 124, wherein the image forming apparatus selectively sets a printing condition in accordance with the print order and sets a print service charge in accordance with the selected
5 printing condition.

Claim 169 (Previously Presented). The book copying system of claim 124, wherein after the image forming apparatus prints the image data, the image forming apparatus determines a print service charge in accordance with the print result of the copy of
5 the ordered book.

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

Claim 170 (Previously Presented). The book copying system of claim 124, wherein the data service system sets a data service charge for the image data of the ordered book.

Claim 171 (Previously Presented). The book copying system of claim 124, further comprising:

5 a calculating section connected to the network to receive a data service charge and a print service charge and to calculate a copy charge based on the data service charge and the print service charge and to conduct a payment charging process for the user in accordance with the calculated copy charge.

Claim 172 (Previously Presented). The book copying system of claim 124, wherein the image forming apparatus is installed at a place where the image forming apparatus provides a copy service for a user as a print service station.

5 Claim 173 (Previously Presented). The book copying system of claim 124, wherein the control section has an interruption mode with which when the input section selects a copy mode while the image forming apparatus prints a copy of the ordered cook in the book publishing mode, the control section interrupts the book publishing mode, conducts the copy mode and resumes the book

Appln. No. 09/696,114
Amendment dated April 6, 2006
Reply to Office Action of January 4, 2006

publishing mode after the image forming apparatus has completed
making a copy of a document in the copy mode.